ANNEXURE-I
Pro-forma furnishing Actual annual performance/operational data for the coal /lignite based thermal generating stations for the 5 year period from 2008-09 to 2012-2013

	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis of information/ methodology
1	Name of Company	Offics	2000-09	2009-10	NTPC Ltd.	2011-12	2012-13	Basis of information/ methodology
2	Name of Station							
3	Installed Capacity and Configuration	MW		3000 MW				
	Installed Capacity and Comiguration	10100						
4	Rated Steam Parameters (Also state the type of Steam turbine and Boiler			Temp./Pres	ssure: 540 deg	C/170 ksc		
5	Type of BFP			2 nos Stear	n Driven+ 1 m	notor driven		
6	Circulating Water System				Closed cycle			
7	Any other Site specific feature			Stg I : High F	Power Intensiv	e Tube Mills		
8	Fuels:							
8.1	Main Fuel:				Coal			
			Annual allocation	n through FSA	A =17.30MMT	(3000MW).		Requirement has been worked out for
8.1.1	Annual Allocation or/ and Requirement	МТ	Annual requiren			(,,		90% PLF
0.111	Sources of supply/ procurement along with contracted quantity and grade of	1711						00701 21
8.1.2	coal		FSA	signed with Ma	ahanadi Coal f	ields Limited(M	ICL)	
				Annual contra	cted quantity o	f 17.30 MMT.		
			1		coal as per FS			
8.1.2.1	FSA	MT	16.56	17.94	15.02	13.48	15.02	
8.1.2.2	Imported	MT	0.94	1.38	2.84	3.40	2.22	
8.1.2.3	Spot Market/e auction	MT	0.00	0.00	0.00	0.00	0.00	
8.1.3	Transportation Distance of the station from the sources of supply	km	1	•	30	•		
8.1.4	Mode of Transport							
8.1.5	Maximum Station capability to stock main fuel	Days & MT		15 d				
8.2	Secondary Fuel:							
8.2.1	Annual Requirement	klitre						
8.2.2	Sources of supply			HP	PCL, Vizag dep	oot		
8.2.3	Transportation Distance of the station from the sources of supply	Km			612 km			
8.2.4	Mode of Transport							
8.2.5	Maximum Station capability to stock secondary fuels	klitre			13000 KL			
9	Cost of Spares:							
9.1	Cost of Spares capitalized in the books of accounts (St-I)	(Rs. Lakh)	0	0	0	1019		2012-13 data to be submitted later
	Cost of Spares capitalized in the books of accounts (St-II)	(Rs. Lakh)	1576	1211	1221	1579		
9.2	Cost of spares included in capital cost for the purpose of tariff (St-I)	(Rs. Lakh)	0	0	0	0		
	Cost of spares included in capital cost for the purpose of tariff (St-II)	(Rs. Lakh)	1576	0	0	0		
10	Generation	1						
10.1	Actual Gross Generation at generator terminals (Commercial Stage wise)							
10.1.1	Stage-1	MU	7768.45	7675.79	7440.59	6924.85	7123.76	•
10.1.2	Stage-2	MU	14788.28	16083.12	15092.23	14932.26	14326.49	
10.2	Actual Net Generation Ex-bus	MU						
10.2.1	Stage-1	MU	7250.33	7137.26	6933.98	6451.83	6600.15	
10.2.2	Stage-2	MU	14051.61	15259.87	14279.52	14091.17	13441.14	
10.3	Scheduled Generation Ex-bus							Based on REA
10.3.1	Stage-1	MU	7167.54	7062.33		6499.72	6605.74	
10.3.2	Stage-2	MU	13960.03	15170.45	14197.15	14181.37	13518.90	

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1	Name of Company]			
2	Name of Station							
11	Average Declared Capacity (DC)							Based on REA
11.1	Stage-1	MW	818.50	810.42	792.61	755.75	766.04	
11.2	Stage-2	MW	1593.63	1741.32	1683.17	1655.86	1549.72	
12	Actual Auxiliary Energy Consumption including colony consumption							
12.1	Stage-1	MU	518.12	538.53	506.61	473.02	523.61	
12.2	Stage-2	MU	736.66	823.25	812.70	841.09	885.35	
13	Actual Energy supplied to Colony from the station	MU	13.46	14.32	14.99	14.93	15.83	
14	Main Fuel:							
14.1	Consumption:							
14.1.1	Domestic Coal (Linked mine/ Other mines/e-auction/spot)	MT	16910066	18072238	14781790	13521233	15177255	
14.1.2	Imported Coal*	MT	1005886	1371206	2828220	3307873	2334378	
14.2	Gross Calorific Value (GCV):		100000			000,0,0		
14.2.1	Domestic Coal (As received)	kCal/kg						
	(As fired)	kCal/kg						
14.2.2	Imported Coal (As received) AD Basis	kCal/kg	5382	5474	5443	5472	5450	
14.2.3	Spot market/e-auction coal (As received)	kCal/kg						
14.2.4	Weighted Average Gross Calorific value (As received)	kCal/kg						
14.2.5	Weighted Average Gross Calorific value (As fired)	kCal/kg	2959	2873	3005	3061	2915	
14.3	Price of Coal:							
14.3.1	Weighted Average price of Domestic coal	(Rs/MT)	731.4	792.5	885.1	964.5	959.4	
14.3.2	Weighted Average price of imported coal	(Rs/MT)	6026.8	5486.2	6705.2	8283.6	6382.2	
14.3.3	Weighted Average price of spot market/ e-auction coal	(Rs/MT)	0.0	0.0	0.0	0.0	0.0	
14.3.4	Weighted Average price of all the Coals (as received)	(Rs/MT)	1017.0	1128.9	1811.1	2438.7	1656.5	
14.4	Blending:	% and MT						
14.4.1	Blending ratio of imported coal with domestic coal		5.6%	7.1%	16.1%	19.7%		Imported/ Total Coal consumption
14.4.2	Proportion of e-Auction coal in the blending		NA	NA	NA	NA	NA	4
14.4.3	Actual Average stock maintained	MT	136312	93849	165726	195998	125548	Average of monthly closing stock
14.5	Actual Transit & Handling Losses for coal/Lignite	%						
14.5.1	Pit- Head Station							
	Transit loss from linked mines	%	0.18	0.18	0.19	0.18	0.24	
14.5.1.2	Transit loss from non-linked mines including e-auction coal mines.							
14.5.1.3	Transit loss of imported coal	%	0.02	0.03	0.03	0.07	0.10	
14.5.2	Non-Pit Head station							
	Transit loss from linked mines							
	Transit loss from non-linked mines including e-auction coal mines.							
	Transit loss of imported coal							
15	Secondary Fuel Oil :							
15.1	Consumption (HFO)	klitre	13993	14763	9684	8264	12167	
	Consumption (LDO)		367	280	458	567	531	
15.2	Weighted Average Gross Calorific value (As received) (HFO/LDO)	kCal/kg(litre)	9517	9508/ 9445	9509/ 9435	9514/ 9433	9514/ 9435	

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	Dortiouloro	I Inita	2000.00	2000 40	2010-11	2011-12	2012-13	Doois of information/ mathedals
1	Particulars Name of Company	Units	2008-09	2009-10	Basis of information/ methodology			
2	Name of Station							
15.3	Weighted Average Price-HFO	Rs/ KL	27923.5	26944.2	TSTPS 30223.9	40914.8	47103.1	
15.3	Weighted Average Price-LDO	Rs/ KL	44192.1	37457.9	44488.3	52602.4	59946.2	
15.4	Actual Average stock maintained (HFO)	klitre	4007	5171	5290	5433		Average of monthly closing stock
	Actual Average stock maintained (LDO)		470	465	504	524	588	<u> </u>
16	Weighted average duration of outages							
16.1	Scheduled Outages	MU	1521.5	711.5	1163.0	2011.7	1367.5	
16.2	Forced Outages	MU	488.8	661.6	1150.7	1110.8	1316.1	
16.3	Number of trippings (Forced outages)	No	29	46	51	60	51	
16.4	Number of start-ups :	No	34	48	55	65	53	
16.4.1	Cold Start-up	No	13	12	24	17	30	
16.4.2	Warm Start-up	No	4	23	20	35	8	
16.4.3	Hot start-up	No	17	13	11	13	15	
17	NOx , SOx ,and other particulate emission in :					_		
17.1	Design value of emission- NOx	mg/Nm ³			NA			No norm; not considered in design
17.1	Design value of emission- NOx	mg/Nm ³			No norm; not considered in design			
	Design value of emission- SPM (St-I)	mg/Nm ³	NA NA 56.8					The from, flot considered in design
	Design value of emission- SPM (St-II)	mg/Nm ³						
17.2	Actual emission (SPM) - St-I	mg/Nm ³	88-110	105-152	50 101-125	67-144	51-97	
17.3	Actual emission (SOx) - St-I	mg/Nm ³	790-920	780-905	803-913	765-902	780-921	
17.4	Actual emission (NOx)- St-I	mg/Nm ³	205-300	210-310	212-291	203-315	211-391	
17.4	Actual emission (SPM) - St-II	mg/Nm ³	60-95	52-89	59-92	65-95	42-98	
17.2	Actual emission (SPM) - St-II Actual emission (SOx)	mg/Nm ³	00 33	32 03	33 3Z	00 00	42 30	
17.4	Actual emission (NOx)	mg/Nm ³						
40	Detail of Ash utilization % of fly ash produced	Quantity	60.00	77.00	67.40	62.25	67.06	
19		Produced	68.93	77.00	67.49	62.35	67.26	
		(Lakh MT)						
19.1	Conversion of value added product(Issue to Cement, RMC & Brick /block	%	0.85	0.99	1.21	1.61	1.83	
	industries)	, ,						
19.2	For making roads & embarkment	%	0.00	0.00	0.00	0.00	0.00	
19.3	Land filling	%	6.31	7.03	11.87	1.93	7.37	
19.4	Used in plant site in one or other form or used in some other site (Mine filling & Ash dyke raising)	%	12.85	10.49	14.52	19.79	23.44	
19.5	Any other use , Please specify (Agriculture, Bottom ash cover etc.)	Qty. (Lakh M T) and usage	0.00	1.21	3.97	3.40	3.54	
20	Cost of spares actually consumed	(Rs Lakh)	3864.3	5233.5	6730.0	10008.3	10974.8	
21	Average stock of spares	(Rs Lakh)	18419.48	15788.21	17682.57	18891.2	20925.02	
22	Number of employees deployed in O&M	,						
22.1	Executives		465	460	459	472	488	

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	Particulars	Units	2008-09	2009-10	2010-11	2011-12	2012-13	Basis of information/ methodology	
1	Name of Company				NTPC Ltd.				
2	Name of Station		TSTPS						
22.2	Non Executives		687	681	678	667	734		
22.3	Corporate office		3205	3272	3298	3354	3170	Total Corporate Man Power	
23	Man-MW ratio		0.38	0.38	0.38	0.38	0.41	Excluding Corporate Man Power	

Note:

From Oct/ Nov 2012 onwards payment to coal companies is being made on the basis of GCV as received at plant boundary. As per FSA, payment is to be made as per the quality assessed at mine end. Accordingly substantial amount billed by Coal companies are yet to be paid. Prices indicated above reflect the payment being made to Coal Companies. GCV of Domestic Coal as received is being measured only from Oct/Nov 2012